

SYSTEM AND METHOD FOR
MEASURING REICHENBACH CLOCK SYNCHRONIZATIONS

ABSTRACT OF THE DISCLOSURE

5 A device, system and method for measuring the one-way velocity of light
using selective transmission technology to provide a "superluminal" energy flow is
provided. The "superluminal" transmitter comprises a transmission source, a
receiver, and a selective-transmission device for receiving the transmission
10 wavepacket from the transmission source and selectively transmitting the
wavefront component of the transmission wavepacket through a barrier such that
the energy transmission tunnels through the barrier at "superluminal" group
velocities. The measured daily oscillation of the tunnel time can then be utilized to
measure the one way light velocity. A system and method for measuring the vector
15 phase or group velocity of light using the "superluminal" transmitter system of the
invention is also provided as well as a device which can be utilized as a compass, a
calender and/or a clock.

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